

Therapeutic Mattress

Abstract

The present invention includes a mattress having a fluid-based center portion encapsulated by a stabilizing visco-elastic polyurethane covering adapted to prevent lateral or longitudinal movement while a patient is disposed thereon. One or more sonic speakers disposed below or coincident to the fluid-based center generate fluid sound waves. Responsive to the sound waves, the fluid oscillates. The mechanical oscillation of the fluid is translated to the visco-elastic polyurethane covering upon which the patient is disposed. The therapeutic effects of the ultrasound oscillations speed the rate of healing and enhance the quality of tissue repair. Furthermore, the stabilizing effects of the covering make the mattress stationary for surgical operations.